

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L18	6	((flight adj path) with (eject\$4 adj path)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/31 10:41
L19	279	((flight adj path) with (eject\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/31 10:42
L20	56	19 and (time near2 flight)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/31 10:43
L21	4	20 and (linear near2 trap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/31 10:43
L22	13	20 and (trap\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/31 10:43
L23	33	("5763878").URPN.	USPAT	OR	ON	2009/10/31 10:46
S1	388	((fast near2 switch\$4) with electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/29 13:34
S3	11	S1 and (mass near2 spectromet\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/29 13:34
S4	22	US-20050040330-\$.DID. OR US-20050109930-\$.DID. OR US-20050133716-\$.DID. OR US-20050173629-\$.DID. OR US-20050230616-\$.DID. OR US-7119328-\$.DID. OR US-7129482-\$.DID. OR US-20070003996-\$.DID. OR US-20070084999-\$.DID. OR US-20070277589-\$.DID. OR US-20080149824-\$.DID. OR US-20080210861-\$.DID.	US-PGPUB; USPAT; FPRS; DERWENT; IBM_TDB	OR	ON	2009/10/29 13:37

S5	5	US-5420425-\$.DID. OR US-20030066958-\$.DID. OR US-20050017170-\$.DID. OR US-7193207-\$.DID. OR US-7498571-\$.DID.	US-PGPUB; USPAT	OR	ON	2009/10/29 13:44
S6	269	((SUDAKOV near2 MICHAEL).inv.) or ((DING near2 LI).inv.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/29 14:33
S7	17	S6 and (switch\$4) with (electrode trap\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/29 14:34
S8	5441	(250/281,282,283,288,290,293).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/10/29 14:39
S9	735	S8 and (electrode trap\$4 digital puls\$4) with (switch\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/29 14:39
S10	214	S9 and (dc "d.c." (direct adj current)) with (trap\$4 near2 ion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/29 14:40
S11	22	S10 and (switch\$4 with state)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/29 14:41
S12	1	("5569917").PN.	US-PGPUB; USPAT	OR	OFF	2009/10/29 14:50
S13	32	("3922543" "5171991").PN. OR ("5569917").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/29 14:52
S14	5	("5569917").PN. OR ("6380666").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/29 14:58
S15	6	("20040132083" "20050127291" "6380666" "6483244" "6870159").PN. OR ("6977374").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/29 15:02
S16	938	(DC (direct adj current)) near4 (trap\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 08:21
S17	444	(DC (direct adj current)) with (end near2 cap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 08:21

S18	87	S16 and S17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 08:21
S19	34	S18 and (switch\$4 with (voltage potential bias))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 08:22
S20	285	S16 and (linear near2 ion near2 trap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 08:27
S21	98	S20 and (switch\$4 with (voltage potential bias dc (direct adj current)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 08:28
S22	98	S21 and ((trap\$4 eject\$4) with (voltage potential bias dc (direct adj current)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 08:28
S23	68	S21 and ((eject\$4) with (voltage potential bias dc (direct adj current)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 08:29
S24	14	S23 and (control\$4 with switch\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 08:29
S25	694072	(switch\$4 with (voltage potential bias dc (direct adj current)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 08:56
S26	203	S25 and ((linear or two?dimension\$4 ((two "2") adj dimens\$ion\$4)) near2 ion near2 trap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 08:58
S27	104	S26 and (DC (direct adj current)) near4 (trap \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 08:58

S28	31	S26 and (DC (direct adj current)) near4 (eject \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 08:59
S29	29	S27 and S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 08:59
S30	1	("6177668").PN.	US-PGPUB; USPAT	OR	OFF	2009/10/30 09:31
S31	1017	((linear or two?dimension\$4 ((two "2") adj dimens\$ion\$4)) near2 ion near2 trap\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 09:33
S32	416	S31 and (DC (direct adj current)) with (trap \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 09:34
S33	230	S32 and (DC (direct adj current)) with (switch \$4 discrete select\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 09:35
S34	217	S33 and (electrode quadrupole \$4pole) with (DC (direct adj current))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 09:36
S35	32	S34 and (DC (direct adj current)).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 09:37
S36	65	S34 and (DC (direct adj current)) with (switch \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 10:04
S37	14	S36 and (rapid fast quick) near3 (switch\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 10:05

S38	140	S31 and (switch\$4 near3 (voltag\$4 potent\$4 bias))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 10:23
S39	71	S38 and (DC (direct adj current) "D.C." "d.c.") with (switch\$4 discrete select\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 10:24
S40	97	S38 and (DC (direct adj current) "D.C." "d.c.") with (trap\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 10:24
S41	64	S39 and S40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 10:24
S42	321	(electrostatic near2 field) with trap\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 11:14
S43	96	S42 and (DC (direct adj current) "D.C." "d.c.") with (trap\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 11:14
S44	25	S43 and (DC (direct adj current) "D.C." "d.c.") with (eject\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 11:14
S45	9	("6570151").URPN.	USPAT	OR	ON	2009/10/30 12:14
S46	60	S42 and S31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 12:29
S47	46	S46 and (DC (direct adj current) "D.C." "d.c.") with (trap\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 12:30

S48	10	S47 and (DC (direct adj current) "D.C." "d.c.") with (switch\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 12:32
S49	13	("3065640" "4540884" "RE34000").PN. OR ("6570151").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/30 12:34
S50	24	("20020185596" "20030183759" "20030222214" "20040195504" "20040245460" "20050263696" "20050279932" "20070158550" "4882484" "5420425" "5468958" "5625186" "5783824" "5886346" "6087658" "6570151" "6608303" "6723986" "6797950" "7034294" "7276689" "7279681" "7326924" "7329866").PN. OR ("7470900").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/30 12:36
S51	20	("5468958").URPN.	USPAT	OR	ON	2009/10/30 12:41
S52	14	("5650617").URPN.	USPAT	OR	ON	2009/10/30 12:49
S53	206	S25 and S31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 12:53
S54	138	S53 and (switch\$4 with (eject\$4 accumulat\$4 trap\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 13:09
S55	59	S54 and (DC (direct adj current) "D.C." "d.c.") with (switch\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 13:13
S56	3	JP-2003123685-.did. or WO-0129875-.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/30 13:15
S57	13	("20020119490" "20020175292" "6011259" "6020586" "6541769" "6570151" "6570152" "6770872" "6794640").PN. OR ("6900430").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/30 13:40

S58	33	{"20040021070" "20040021072" "20040079873" "20040079874" "4736101" "4959543" "5075547" "5128542" "5200613" "5206509" "5274233" "5298746" "5302826" "5352890" "5381006" "5381007" "5404011" "5436445" "5508516" "5528031" "5561291" "5572022" "5610397" "5679951" "5864136" "6147348" "6410913" "6710336" "6770872" "6900430" "6949743" "6965106" "7157698").PN. OR ("7528370").URPN.	US-PPGUB; USPAT; USOCR	OR	ON	2009/10/30 13:41
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